


INPUT DEVICE FOR X-RAY IMAGE

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Applicant: CANON INC
Classification:
 - international: G01T1/20; G01T7/00; H04N5/32; H05K5/02
 - european:
Application number: JP20000193339 20000627
Priority number(s):

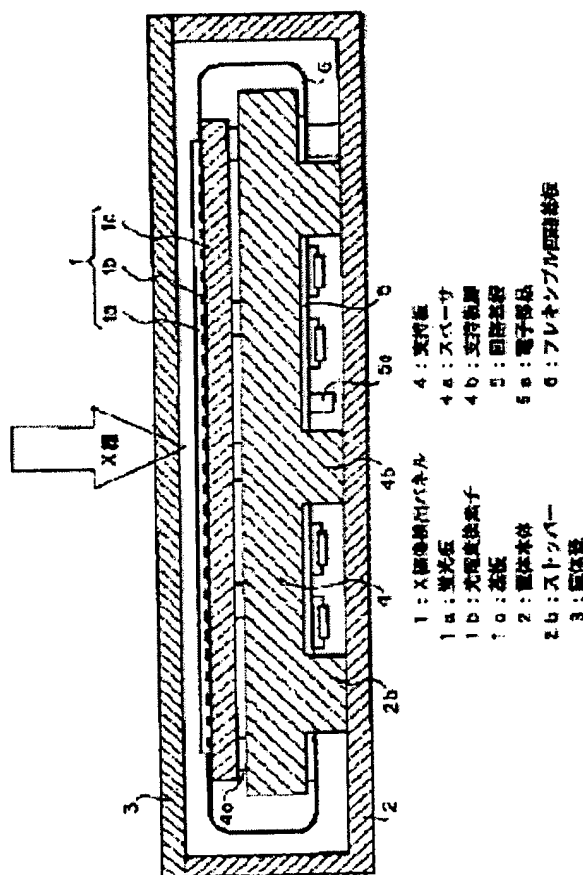
Also published as:

 JP2002014170 (A)

Abstract of JP2002014170

PROBLEM TO BE SOLVED: To provide a small and light-weight X-ray image input device, while enhancing its load and impact resistance and the like.

SOLUTION: A support plate 4 for supporting an X-ray image detection panel 1 is designed, so that even if the load of the subject (patient) for imaging is applied to a casing lid, causing deformation of the lid and then applied to a sensor substrate 1c during X-ray imaging, the support plate 4 is not sufficiently strong to cause breaking deflection of the sensor substrate 1c. A circuit board 5, having electronic components 5a mounted thereon for use in signal processing, is folded and installed between the back of the support plate 4 and the casing body 2 for making the size compact. The panel 1, fixedly adhered to the support plate 4, is secured within the casing 2 by means of the bottom face of the casing body 2 and the support plate legs 4b of the support plate 4. A space is provided between the panel 1 and the casing lid 3. The space absorbs impacts, coming from the outside of an electronic cassette.




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X-RAY DIGITAL PHOTOGRAPHY DEVICE

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Inventor: OKAMURA MORIYUKI
Applicant: CANON INC
Classification:
 - international: G01T7/00; G01T1/29
 - european:
Application number: JP20000235628 20000803
Priority number(s):

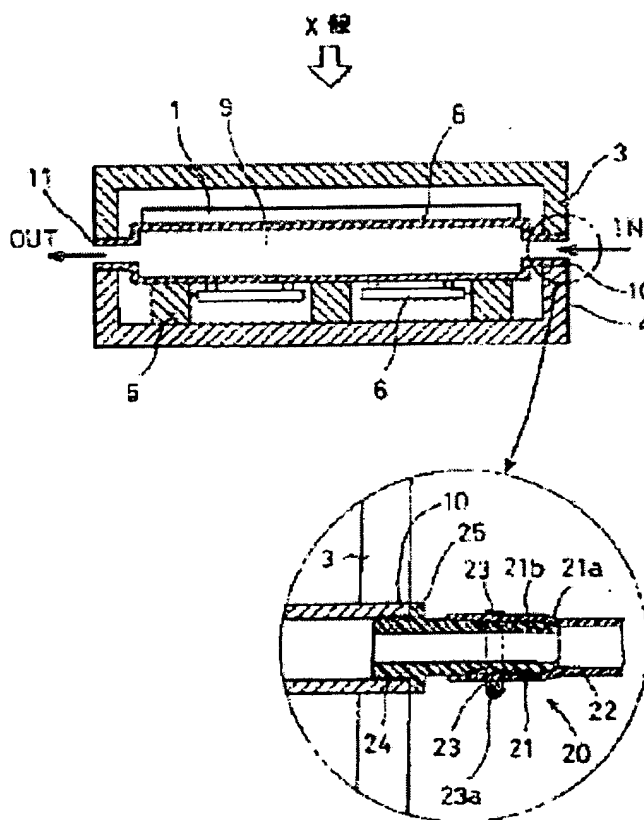
Also published as:

 JP2002048873 (A)

Abstract of JP2002048873

PROBLEM TO BE SOLVED: To provide an X-ray photography device which gives no thermal pain to an examined person and maintain an excellent image as a portable X-ray digital photography device which is made lightweight or thin.

SOLUTION: A heat-conductive base in hollow structure is provided in a cassette enclosure and more than one cooling medium intake and more than one cooling medium outlet which are open to outside of the cassette enclosure are formed in the base; and an X-ray area sensor substrate put in the cassette enclosure is held on the base and a coupling means which can be connected to a pipe extending from an external tiller unit for sending a cooling medium into the base is arranged at the opening part of at least the cooling medium intake of the base.



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